

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 0 802 562 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
17.12.1997 Bulletin 1997/51

(51) Int Cl.⁶: **H01K 9/00**, H01K 3/00,
G09F 9/307

(43) Date of publication A2:
22.10.1997 Bulletin 1997/43

(21) Application number: **97302056.3**

(22) Date of filing: **26.03.1997**

(84) Designated Contracting States:
CH DE FR GB IT LI NL

(72) Inventor: **Beardmore, Geoffrey**
Prestbury, Gloucestershire GL52 5DB (GB)

(30) Priority: **16.04.1996 GB 9607862**

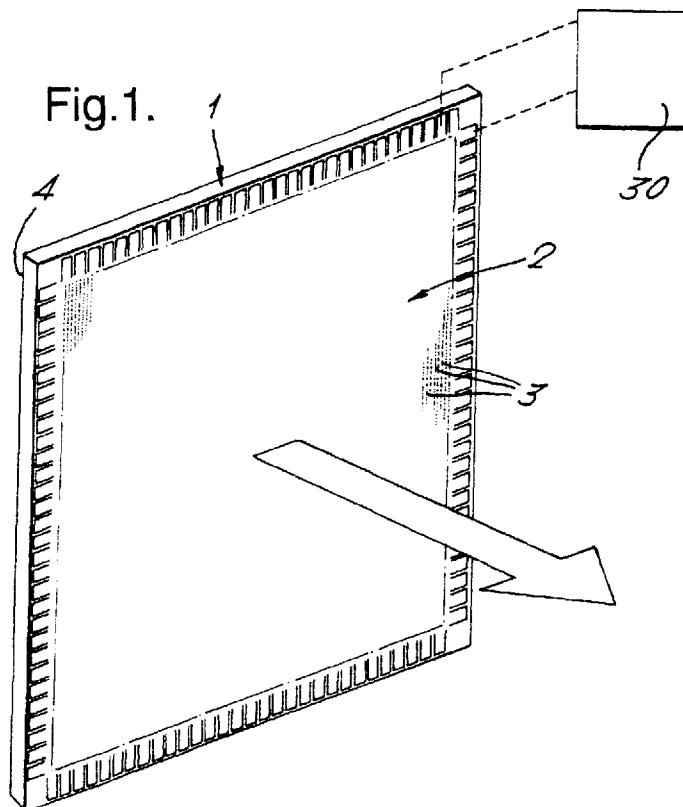
(74) Representative: **Flint, Jonathan McNeill**
765 Finchley Road
London NW11 8DS (GB)

(71) Applicant: **Smiths Industries Public Limited**
Company
London, NW11 8DS (GB)

(54) **Light-emitting assemblies**

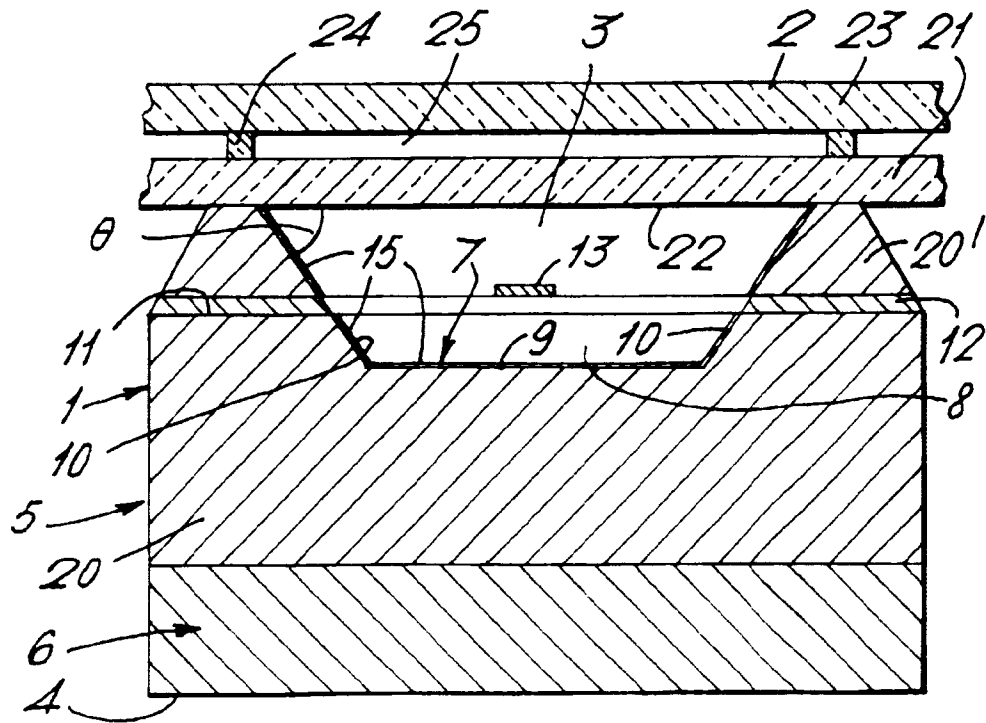
(57) A display 1 has a matrix array of cells 3 formed in a silicon plate 20 and each containing a tungsten strip filament 13. The cells 3 are filled with a halogen gas and are sealed by a double-glazed window 21 with an infra-

red reflecting filter 22 to reflect heat back into the cell while allowing the transmission of visible radiation. The rear 6 of the plate 20 is treated to make it microporous and reduce its thermal conductivity



EP 0 802 562 A3

Fig.2.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 30 2056

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	FR 2 134 361 A (IBM) * the whole document *	1-3.5, 13	H01K9/00 H01K3/00 G09F9/307
A	---	4, 6, 7	
A	EP 0 125 859 A (SINCLAIR RES LTD) * claims 1, 2, 5-8, 28, 33, 37, 40, 41: figures 1-4, 7-9 *	1-8, 10-13	
A	---		
A	US 4 771 278 A (POOLEY CHARLES) * abstract: figure 2 *	1	
A	---		
A	US 4 283 659 A (BECKERMAN HOWARD L ET AL) * abstract: figures 1, 2 *	1	
A	---		
A	PATENT ABSTRACTS OF JAPAN vol. 007, no. 072 (E-166), 25 March 1983 & JP 58 001956 A (TOKYO SHIBAURA DENKI KK), 7 January 1983. * abstract *	1-3, 13	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01K G09F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 October 1997	Examiner Deroubaix, P
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone ✓ : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EP0 FORM 1503 03.92 (PDA/CN)